

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	14	(Heath.in. or Sebastian.in.) and (display\$4 near3 quality)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/26 12:16
S2	14	(Heath.in. or Sebastian.in.) and (display\$4 near3 quality)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:19
S3	7	375/228.ccls. and (display\$4 near3 quality)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:21
S4	5	"MIMO" and (display\$4 near3 quality)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:30
S5	7	(antenna adj1 diversity) and (display\$4 near3 quality)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:26
S6	5	(455/101.ccls. or 455/103.ccls. or 455/137.ccls.) and (display\$4 near3 quality)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:27
S7	4	(455/101.ccls. or 455/103.ccls. or 455/137.ccls.) and (display\$4 near3 quality) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:29
S8	1	"MIMO" same (display\$4 near3 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:30
S9	36	"MIMO" and (display\$4 near3 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:32
S10	84	((multiple or plurality) adj3 antenna) same (display\$4 near3 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:52
S11	8	((multiple or plurality) adj3 antenna) same (display\$4 near3 quality)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:53
S12	60	((multiple or plurality) adj3 antenna) and (display\$4 near3 quality)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:54

S13	413	"antennas" and ((display\$4 near3 quality) with ("channels" or "signals"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:54
S14	220	"antennas" and ((display\$4 near3 quality) near3 ("channels" or "signals"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 13:52
S15	29	((multiple or plurality) adj3 antenna) and ((display\$4 near3 quality) with ("channels" or "signals"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 12:55
S16	14	(display\$4 near3 quality) near5 ((multiple or plurality) adj2 ("channels" or "signals"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 13:54
S17	38	(display\$4 near3 quality) with ((multiple or plurality) adj2 ("channels" or "signals"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 13:54
S18	71	(display\$4 with quality) with ((multiple or plurality) adj2 ("channels" or "signals"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:02
S19	0	"MIMO" same (display \$4 near4 ((error adj rate) or ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:04
S20	2	"MIMO" and (display\$4 near4 ((error adj rate) or ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:04
S21	95	((multiple or plurality) adj2 signals) same (display\$4 near4 ((error adj rate) or ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:03
S22	12	((multiple or plurality) adj2 channels) same (display\$4 near4 ((error adj rate) or ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:10

S23	3	((multiple or plurality) adj2 antennas) same (display\$4 near4 ((error adj rate) or ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:11
S24	1	"5873026".PN.	USPAT; USOCR	OR	OFF	2006/07/26 14:24
S25	1	"5613232".PN.	USPAT; USOCR	OR	OFF	2006/07/26 14:24
S26	1	"5539803".PN.	USPAT; USOCR	OR	OFF	2006/07/26 14:25
S27	1	"5490288".PN.	USPAT; USOCR	OR	OFF	2006/07/26 14:25
S28	1	"5451839".PN.	USPAT; USOCR	OR	OFF	2006/07/26 14:26
S29	1	"5398276".PN.	USPAT; USOCR	OR	OFF	2006/07/26 14:26
S30	1	"4896370".PN.	USPAT; USOCR	OR	OFF	2006/07/26 14:26
S31	1	"4048564".PN.	USPAT; USOCR	OR	OFF	2006/07/26 14:26
S32	114	(display\$4 near4 ((averag\$4 or aggregate) near2 ((error adj rate) or ratio)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:28
S33	19	S21 and (averag\$4 or aggregate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:27
S34	8	display\$4 near4 ((averag\$4 or aggregate) near2 (signal adj2 noise adj2 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:30
S35	3	display\$4 near4 ((averag\$4 or aggregate) near2 (bit adj1 error adj1 rate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:30
S36	17	display\$4 near4 ((averag\$4 or aggregate) near2 (signal adj4 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:31
S37	5	display\$4 near4 ((averag\$4 or aggregate) near2 (SNR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:34
S38	102	display\$4 near4 ((SNR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:36

S39	340	display\$4 near4 ((signal adj3 noise adj1 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:37
S40	25	S39 and (averag\$4 near3 (signal adj3 noise adj1 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:39
S41	159	(averag\$4 near4 "BER") with ("channels" or "signals")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:47
S42	2	(averag\$4 near2 "BER") with ((multiple or plurality) adj2 (signals or channel or data))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:48
S43	7	(averag\$4 near2 (bit adj1 error adj1 rate)) with ((multiple or plurality) adj2 (signals or channel or data))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:56
S44	7	S43 and (bit adj2 error adj1 rate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:50
S45	0	(averag\$4 near2 (bit adj1 error adj1 rate)) with ((multiple or plurality) adj2 (antennas))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:51
S46	8	(averag\$4 near2 (bit adj1 error adj1 rate)) same ((multiple or plurality) adj2 (signals or channel or data))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 13:45
S47	7	(averag\$4 near4 (bit adj1 error adj1 rate)) with ((multiple or plurality) adj2 (signals or channel or data))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:52
S48	0	(total near4 (bit adj1 error adj1 rate)) with ((multiple or plurality) adj2 (signals or channel or data))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:52
S49	0	(aggregate near4 (bit adj1 error adj1 rate)) with ((multiple or plurality) adj2 (signals or channel or data))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 14:52
S50	210	(display\$4 near2 (signal adj2 noise adj3 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:00

S51	14	S50 and (averag\$4 near2 (signal adj2 noise adj3 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:42
S52	13	((multiple or plurality) adj2 signals) same (display\$4 near4 (signal adj3 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:05
S53	0	((multiple or plurality) adj2 channels) same (display\$4 near4 (signal adj3 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:32
S54	0	((multiple or plurality) adj2 channels) same (display\$4 near4 (signal adj3 noise adj2 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:05
S55	6	display\$4 near4 ((multiple or plurality) near3 (signal adj3 noise adj2 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:09
S56	1	display\$4 near4 (delay adj1 spread)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:10
S57	5	display\$4 with (delay adj1 spread)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:28
S58	100	display\$4 near4 "CRC"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:29
S59	10	display\$4 near3 (cyclic adj1 redundancy)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:28
S60	72	display\$4 near3 "CRC"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:29
S61	68	((multiple or plurality) adj2 channels) with (signal adj1 noise adj1 ratio)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:33
S62	0	((multiple or plurality) adj2 channels) with (signal adj1 noise adj1 ratio)) same (display \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:33
S63	25	((multiple or plurality) adj2 channels) with (signal adj1 noise adj1 ratio)) and (display\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:34

S64	6	((multiple or plurality) adj2 channels) with ((determin\$4 or calculat \$4) near3 (signal adj1 noise adj1 ratio)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:36
S65	6	((multiple or plurality) adj2 signals) with ((determin\$4 or calculat \$4) near3 (signal adj1 noise adj1 ratio)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:36
S66	11	((multiple or plurality) adj2 channels) same ((determin\$4 or calculat \$4) near3 (signal adj1 noise adj1 ratio)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:38
S67	0	((determin\$4 or calculat \$4) near3 (signal adj1 noise adj1 ratio)) with ("each" adj2 channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:38
S68	0	((determin\$4 or calculat \$4) near3 (signal adj1 noise adj1 ratio)) with ("each" adj2 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:41
S69	0	((determin\$4 or calculat \$4) near3 (signal adj1 noise adj1 ratio)) with (each adj2 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:39
S70	0	(signal adj1 noise adj1 ratio) with (each adj2 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:41
S71	20	(signal adj1 noise adj1 ratio) with (multiple adj1 signals)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:40
S72	25	(signal adj1 noise adj1 ratio) with (multiple adj1 channels)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:40
S73	0	(signal adj1 noise adj1 ratio) with (each adj4 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:41
S74	0	((determin\$4 or calculat \$4) near3 (signal adj1 noise adj1 ratio)) with ("each" adj5 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:41
S75	0	((determin\$4 or calculat \$4) near3 (signal adj1 noise adj1 ratio)) with ("each" adj5 channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:41
S76	0	(signal adj1 noise adj1 ratio) with ("each" adj5 channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:42

S77	1287	(averag\$4 near2 (signal adj2 noise adj3 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:42
S78	51	(averag\$4 near2 (signal adj2 noise adj3 ratio)) same ((multiple or plurality) adj3 (data or channels or signals or antennas))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:48
S79	346	(display\$4 near quality) same "LED"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:51
S80	172	(display\$4 near quality) with "LED"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 15:54
S81	2	("5136528").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/26 15:54
S82	1	S81 and (analog adj1 meter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/26 16:41
S83	2	(first adj1 analog adj1 meter) same (second adj1 analog adj1 meter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:23
S84	5	((plurality or multiple) adj3 (analog adj1 meters))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 15:15
S85	2	("6441721").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/26 17:29
S86	874	signal same ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/26 17:29
S87	2442	signal same ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:29
S88	235	quality same ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:30
S89	7	(signal adj1 quality) same ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:31
S90	10	(signal near3 quality) same ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:31
S91	0	(data near3 quality) same ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:31

S92	0	(channel near3 quality) same ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:34
S93	50	quality with ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:36
S94	7	(signal near3 parameter) same ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:37
S95	1	(error adj1 rate) same ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:37
S96	43	(signal near2 strength) same ((multiple or plurality) adj3 "LED")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:38
S97	1576	(antenna near2 receive \$4 near3 diversity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/26 17:58
S98	16	(antenna near2 receive \$4 near3 diversity) same display\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 16:40
S99	3	(display\$4 near4 (averag\$4 near2 (bit adj1 error adj1 rate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 13:47
S100	3	(display\$4 with (averag \$4 near2 (bit adj1 error adj1 rate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 13:46
S101	8	(display\$4 same (averag\$4 near2 (bit adj1 error adj1 rate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 13:46
S102	3	(display\$4 near4 (averag\$4 near4 (bit adj1 error adj1 rate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 13:48
S103	10	(display\$4 near4 (averag\$4 near4 (signal adj2 noise adj2 ratio)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 13:49
S104	9	((quality or strength) near3 signal) with (analog adj1 meter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 15:13
S105	5	((plurality or multiple) adj3 (analog adj1 meters))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 15:15
S106	5	S105 and (analog adj1 meter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 15:15



S107	6	(display\$4 near3 (averag\$4 near3 (error adj1 rate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 16:45
S108	4973	(transmit\$4 near4 spatial)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 16:45
S109	549	(transmit\$4 near4 spatial) same (cod\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/27 16:45
S110	2	("6134445").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/01 14:57
S111	1	S110 and "TDMA"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/01 14:57
S112	1929	(spatial near3 multiplex \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/27 23:00
S113	32663	(spatial near3 multiplex \$4) or ((multiple or plurality) near3 antenna)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/27 23:00
S114	704	(spatial near3 multiplex \$4) and ((multiple or plurality) near3 antenna)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/27 23:00
S115	138	(spatial near3 multiplex \$4) and ((multiple or plurality) near3 antenna) and display\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/28 10:10
S116	36	(spatial near3 multiplex \$4) and ((multiple or plurality) near3 antenna) and (display \$4 with signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/28 10:13
S117	251	(spatial near3 multiplex \$4) and (display\$4 with signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/28 10:13
S118	0	"6134445".pn. and ((channel or impulse) near4 (estimat\$4 or response))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/26 06:46
S119	1	"6134445".pn. and channel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/26 06:49
S120	188	(quality with (channel near3 (estimat\$4 or response)) with (error near2 rate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/26 10:48

S121	2	S120 and (display\$4 near4 quality)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/26 06:51
S122	0	"20010036812".pn. and spatial	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/26 10:48
S123	2	"20010036812".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/26 11:10
S124	1	"20010036812".pn. and (averag\$4 or aggregat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/26 11:10

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